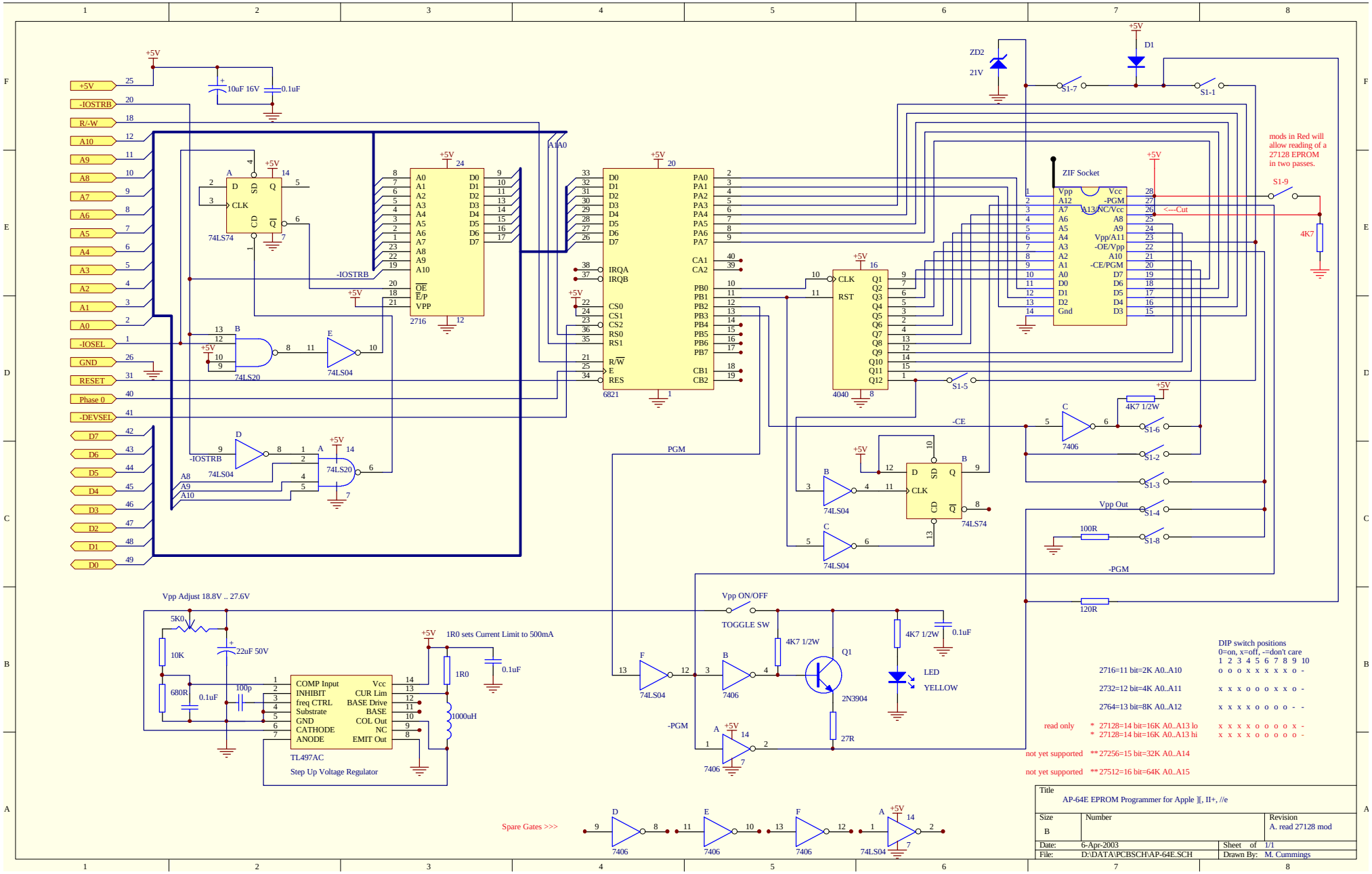
+5V
-IOSTRB
R/-W
A10
A9
A8
A7
A6
A5
A4
A3
A2
A1
A0
-IOSEL
GND
RESET
Phase 0
-DEVSEL
D7
D6
D5
D4
D3
D2
D1
D0
10uF 16V
0.1uF
74LS74
74LS20
74LS04
2716
6821
4040
ZD2
21V
D1
S1-7
S1-1
S1-9
S1-5
S1-6
S1-2
S1-3
S1-4
S1-8
ZIF Socket
mods in Red will allow reading of a 27128 EPROM in two passes.
<---Cut
4K7
4K7 1/2W
7406
Vpp Out
100R
120R
-CE
PGM
-PGM
Vpp Adjust 18.8V .. 27.6V
5K0
10K
680R
22uF 50V
100p
TL497AC
Step Up Voltage Regulator
1R0 sets Current Limit to 500mA
1R0
1000uH
Vpp ON/OFF
TOGGLE SW
2N3904
27R
LED
YELLOW
Spare Gates >>>
DIP switch positions
0=on, x=off, -=don't care
1 2 3 4 5 6 7 8 9 10
2716=11 bit=2K A0..A10 o o o x x x x x o -
2732=12 bit=4K A0..A11 x x x o o o x x o -
2764=13 bit=8K A0..A12 x x x x o o o o - -
read only * 27128=14 bit=16K A0..A13 lo x x x x o o o o x -
* 27128=14 bit=16K A0..A13 hi x x x x o o o o o -
not yet supported ** 27256=15 bit=32K A0..A14
not yet supported ** 27512=16 bit=64K A0..A15
Title
AP-64E EPROM Programmer for Apple][, II+, //e
Size B
Number
Revision A. read 27128 mod
Date: 6-Apr-2003
Sheet of 1/1
File: D:\DATA\PCBSCH\AP-64E.SCH
Drawn By: M. Cummings